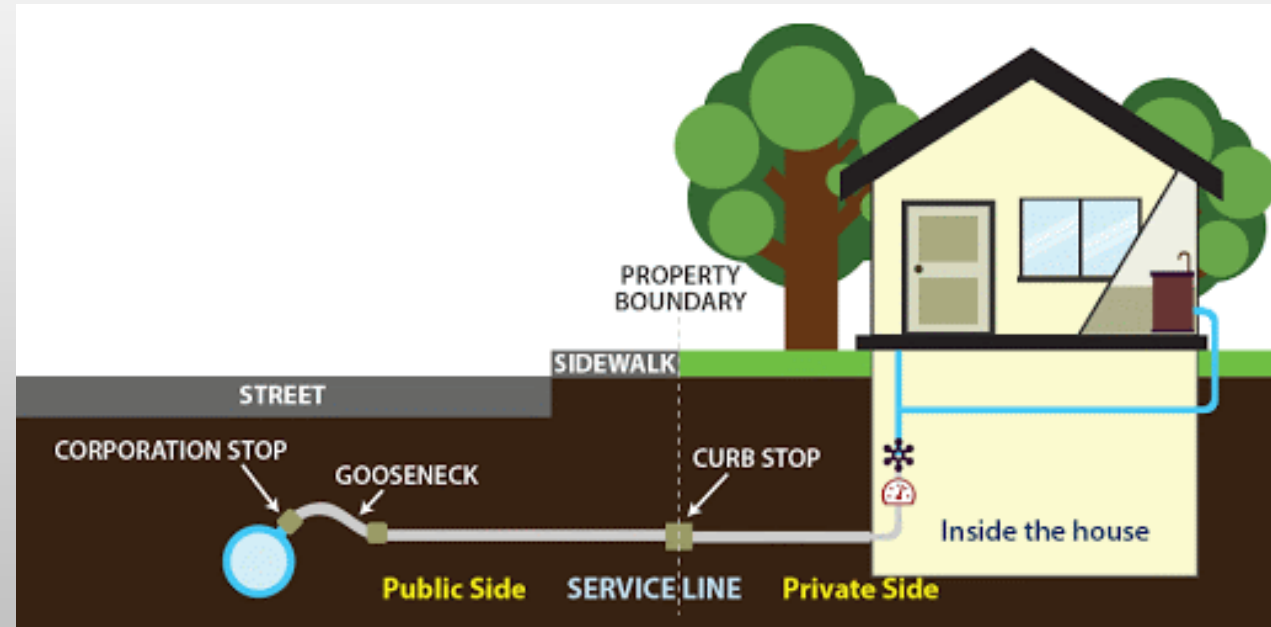


# CITY OF GRAND RAPIDS LEAD WATER SERVICE LINE REPLACEMENT PROGRAM



# WHAT IS A LEAD SERVICE LINE?

- A SERVICE LINE IS A PIPE THAT CONNECTS THE WATER MAIN, TYPICALLY RUNNING UNDER THE STREET, TO A WATER CUSTOMER'S PROPERTY.
- A LEAD SERVICE LINE IS A SERVICE LINE THAT IS MADE OF LEAD OR ANY PIGTAIL, LEAD GOOSENECK, OR OTHER LEAD MATERIAL.



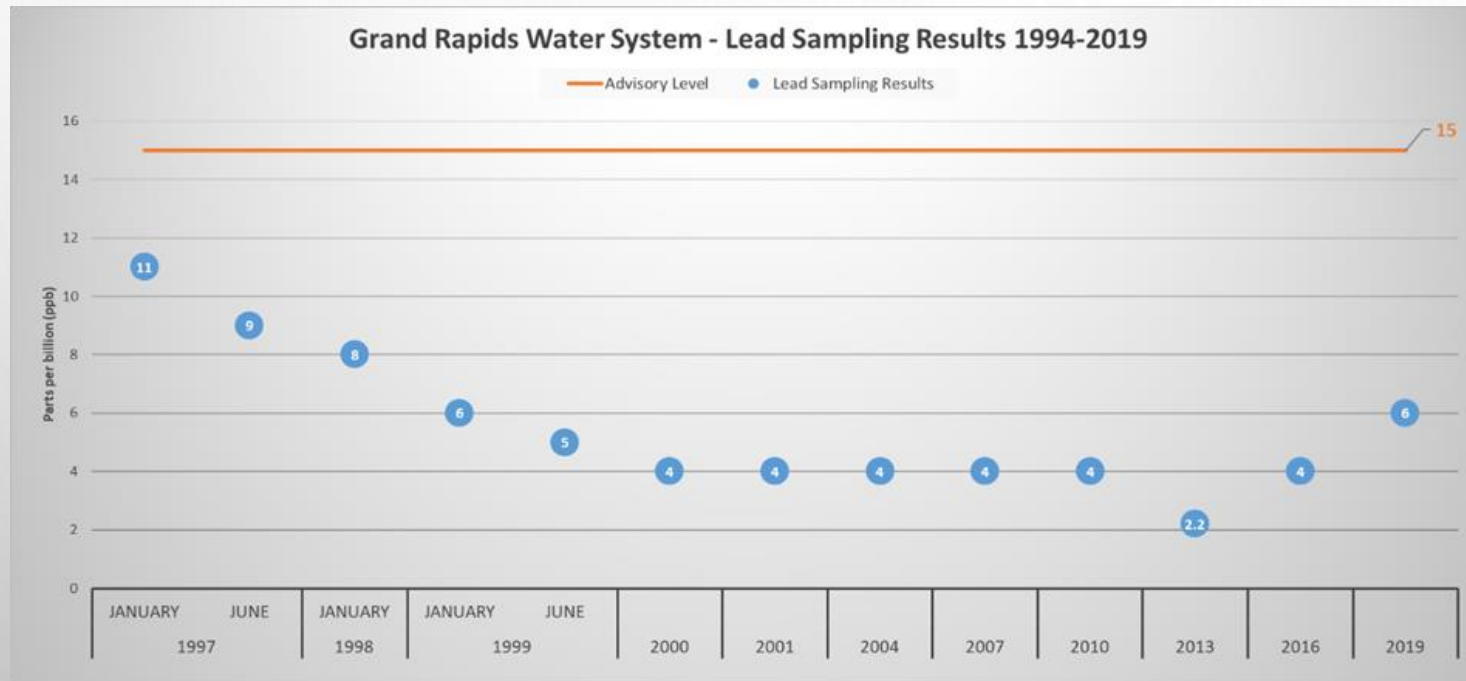
# MICHIGAN SAFE DRINKING WATER ACT OF 2018

## – LEAD AND COPPER RULE

THE SERVICE LINE REPLACEMENT REQUIREMENTS ARE AS FOLLOW:

- ☐ WE MUST REPLACE ALL LEAD, AND GALVANIZED SERVICE LINES IF THE SERVICE LINE IS OR WAS CONNECTED TO LEAD PIPING.
- ☐ LEAD SERVICE LINES UNDER THIS SUB-RULE SHALL BE REPLACED AT A RATE AVERAGING 5% PER YEAR, NOT TO EXCEED 20 YEARS, UNLESS AN ALTERNATE SCHEDULE IN AN ASSET MANAGEMENT PLAN IS APPROVED BY THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES AND ENERGY (EGLE).
- ☐ IF WE DO NOT OWN THE ENTIRE SERVICE LINE, WE NEED TO NOTIFY THE OWNER OF THE LINE, THAT WE WILL REPLACE THE PUBLIC SIDE AND THE OWNER'S PORTION OF THE LINE AT OUR EXPENSE.
- ☐ WE MUST SUBMIT A DISTRIBUTION SYSTEM MATERIALS INVENTORY(DSMI) COUNT TO EGLE THAT IDENTIFIES THE MATERIAL OF ALL SERVICE LINES IN OUR SYSTEM, INCLUDING THE PORTIONS ON BOTH THE PUBLIC AND PRIVATE PROPERTY.
- ☐ OUR DSMI WAS SUBMITTED ON DECEMBER 31, 2019. WITHIN 30 DAYS OF DETERMINING IF A SERVICE LINE CONTAINS LEAD OR IS PRESUMED TO CONTAIN LEAD, WE MUST PROVIDE THE OWNER AND OCCUPANT OF THE PREMISE WITH A WRITTEN NOTIFICATION OF THE SERVICE LINE MATERIAL.
- ☐ ANY TIME A NEW WATER ACCOUNT IS OPENED AT A PREMISE THAT IS KNOWN OR PRESUMED TO BE SERVED BY A LEAD SERVICE LINE, WE MUST PROVIDE THE OWNER AND OCCUPANT OF THE PREMISES WITH A WRITTEN NOTIFICATION OF THE SERVICE LINE MATERIAL CONTENT.

# GRAND RAPIDS WATER SYSTEM LEAD & COPPER SAMPLING: HISTORY



◆ Began treating water for lead and copper in 1994

◆ Today, we continue to treat water with orthophosphate to maintain lead sampling results well below the regulatory action levels.

◆ 2019 sampling results continue to be well below the action level of 15ppb with a 90 percentile result of 6ppb.

◆ Water Quality parameters are continually monitored to make sure we continue to have optimum corrosion control.



# LEAD SERVICE LINE REPLACEMENT (LSLR) PROGRAM



◆ The City of Grand Rapids is providing full lead service line replacements from the water meter to the water main under Administrative Policy 17-01. The following conditions are:

- I. Emergency leaks
- II. Water main replacement and/or road reconstruction project
- III. Voluntary replacement (10 Pay Plan)
- IV. Private side lead service line and meter replacement policy being developed

◆ If we are unable to get access to replace a lead service line, state law prohibits us from reconnecting a lead service line to the city's water system. This will result in a water shut off.



# Grand Rapids Lead Service Line Replacements From 2017 - 2019

## 2017 Replacements

- ◆ Emergency Leaks (191)
- Capital Projects (111)

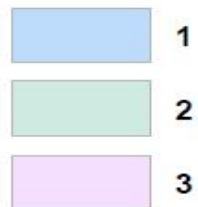
## 2018 Replacements

- ◆ Emergency Leaks (223)
- Capital Projects (169)

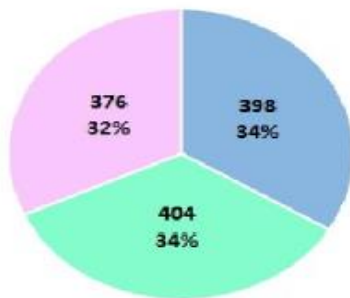
## 2019 Replacements

- ◆ Emergency Leaks (244)
- Capital Projects (240)

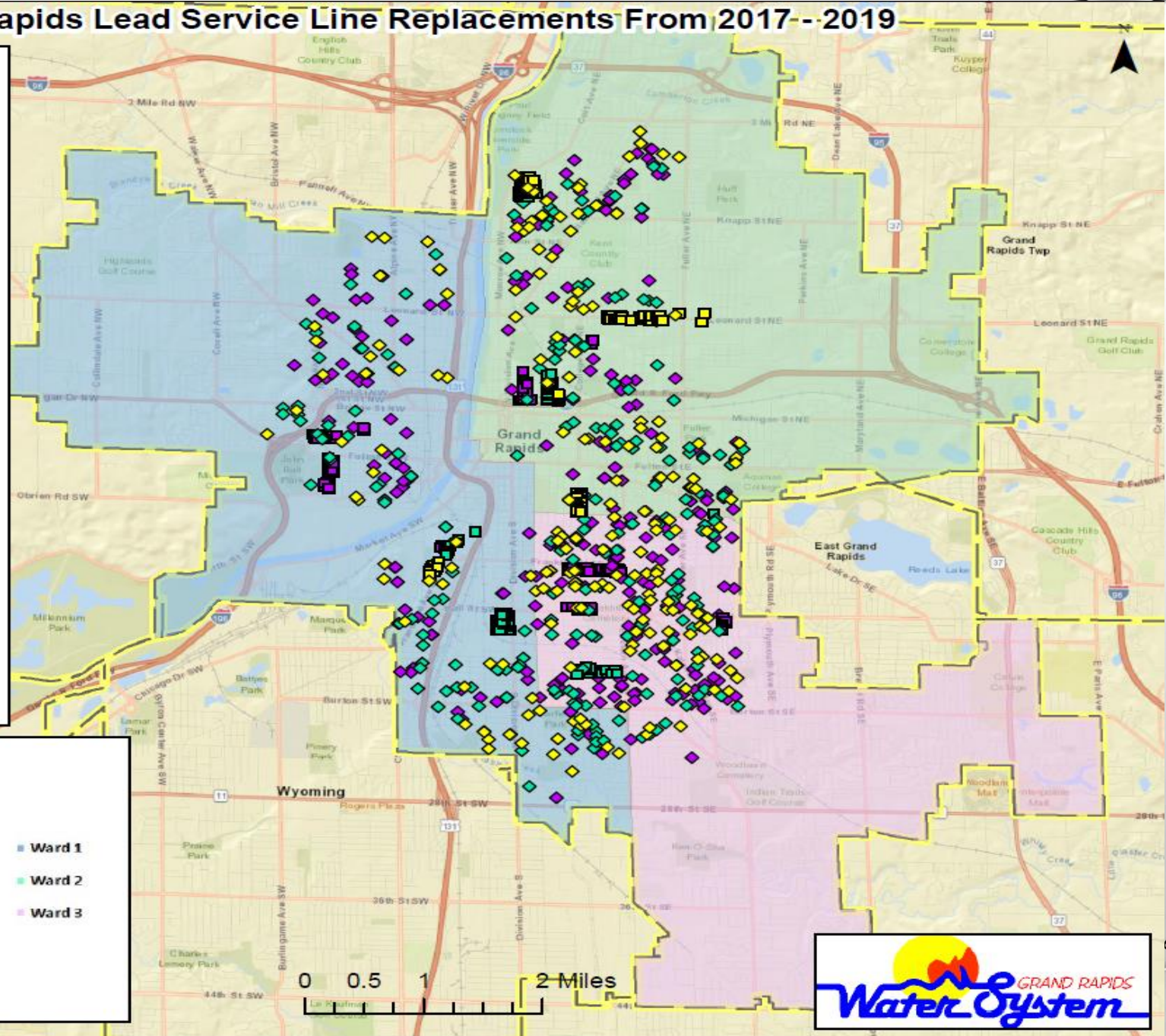
## Wards



## Lead Abatements Per Ward



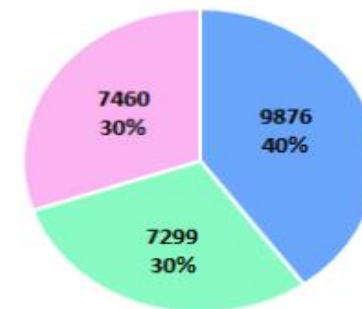
- Ward 1
- Ward 2
- Ward 3





# Lead Services in Grand Rapids Wards

Total Lead Services By Ward



■ Ward 1 ■ Ward 2 ■ Ward 3

## Lead Services in all Wards

- Private Side Lead (7754)
- City Side Lead (3041)
- Both Sides Lead (13840)

### Wards



- 1
- 2
- 3

0 0.5 1 2 Miles





# NOTICE OF THE POTENTIAL FOR A LEAD WATER SERVICE LINE



CITY OF GRAND RAPIDS

**NOTICE OF THE POTENTIAL FOR A LEAD WATER SERVICE LINE**  
Por favor ver atrás para traducción en español

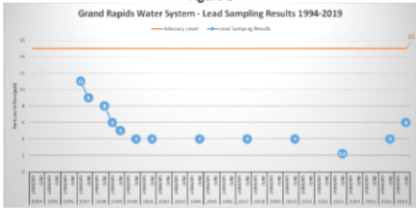
Date: \_\_\_\_\_

Attention, Water Service Address: \_\_\_\_\_

Hello, Neighbor.

We are committed to delivering high-quality water. We work hard every day to do just that and we have a long history of success in protecting the public's health. We regularly sample drinking water to better understand the lead and copper levels in our system. We then use corrosion-control measures at our water filtration plant to ensure lead levels are controlled. Those measures have been in place for 25 years, and testing during those 25 years shows that our lead and copper samples are well below the advisory level set by the State of Michigan and federal government. Figure 1 shows our past and most recent lead sampling results.

**Figure 1**  
Grand Rapids Water System - Lead Sampling Results 1994-2019





Year	Lead Sampling Results (ppb)
1994	10
1995	8
1996	6
1997	5
1998	4
1999	3
2000	3
2001	3
2002	3
2003	3
2004	3
2005	3
2006	3
2007	3
2008	3
2009	3
2010	3
2011	3
2012	3
2013	3
2014	3
2015	3
2016	3
2017	3
2018	3
2019	4

\* Since 2019, it is now required that we sample the first and fifth liter of tap water. This resulted in a slight increase in our lead levels. The new testing method gives us a better understanding of lead levels in homes.

New state regulations require us to complete an inventory count of all lead water service lines in our system. Our records show the water service line to your property may consist of a lead pipe. Prevention is the best way to protect your family. Here are some steps you can take to further reduce exposure to lead from the pipe:

1900 OAK INDUSTRIAL DRIVE NE, GRAND RAPIDS, MI 49505



CITY OF GRAND RAPIDS

is the best way to protect your family. Here are some steps you can take to further reduce exposure to lead from the pipe:

- Run the cold water tap for at least 5 minutes. Use only cold water for drinking and baby formula preparation – lead dissolves more easily in hot water.
- Remove your faucet aerators – the small attachment at the tip of the faucet that filters and softens the flow of water – at least once a month and clean them out. Small particles may accumulate in the screens.
- Make sure your home plumbing materials are evaluated by a licensed plumber.
- The City initiated a Lead Service Line Replacement program in 2017 that meets regulatory requirements. Visit our website to learn more about our Lead Service Line Replacement Program or call 311 or 616.456.3000.

Rental property owners are responsible for notifying tenants of this notice and the potential of a lead water service line on the property; please contact the Rental Property Owners Association for more information. For more information about our annual water quality reports and resources on how to get the lead out, visit [grandrapidsmi.gov/Government/Departments/Water-System](http://grandrapidsmi.gov/Government/Departments/Water-System).

In partnership,

Your Grand Rapids Water System Team

1900 OAK INDUSTRIAL DRIVE NE, GRAND RAPIDS, MI 49505

- Notify customers, including rental property owners, with a presumed lead service line by letter
  - February 7, 2020 mailing date
  - Have prepped 311 for increase in calls
  - Website FAQ's have been updated



# WHAT'S NEXT?



## Our plan:

- ◆ Continue Public Engagement
  - Building relationships
    - GRPS
    - Other community groups
    - Visit all neighborhood associations
  - Water Advisory Council
- ◆ Be a resource for the community
- ◆ Ramp up Lead Service Line Replacements with additional investments to meet regulatory requirements

# QUESTIONS?

